

FIG. 1 A block diagram of an overall chlorine dioxide gas treatment system including chlorine dioxide gas generation, sterilization, and recycling system

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|---|--|
| 1 – Food Storage or transportation container | 2 – Gas on-line fan or pump |
| 3 – Chlorine dioxide gas generator | 4 – air filter |
| 5 – Chlorine dioxide gas dissolving tank | 6 – Chlorine dioxide gas neutralizing column |
| 7 – Chlorine dioxide gas concentration, temperature, pressure, and relative humidity monitor system | |
| 8 – Pump for chlorine dioxide solution | |

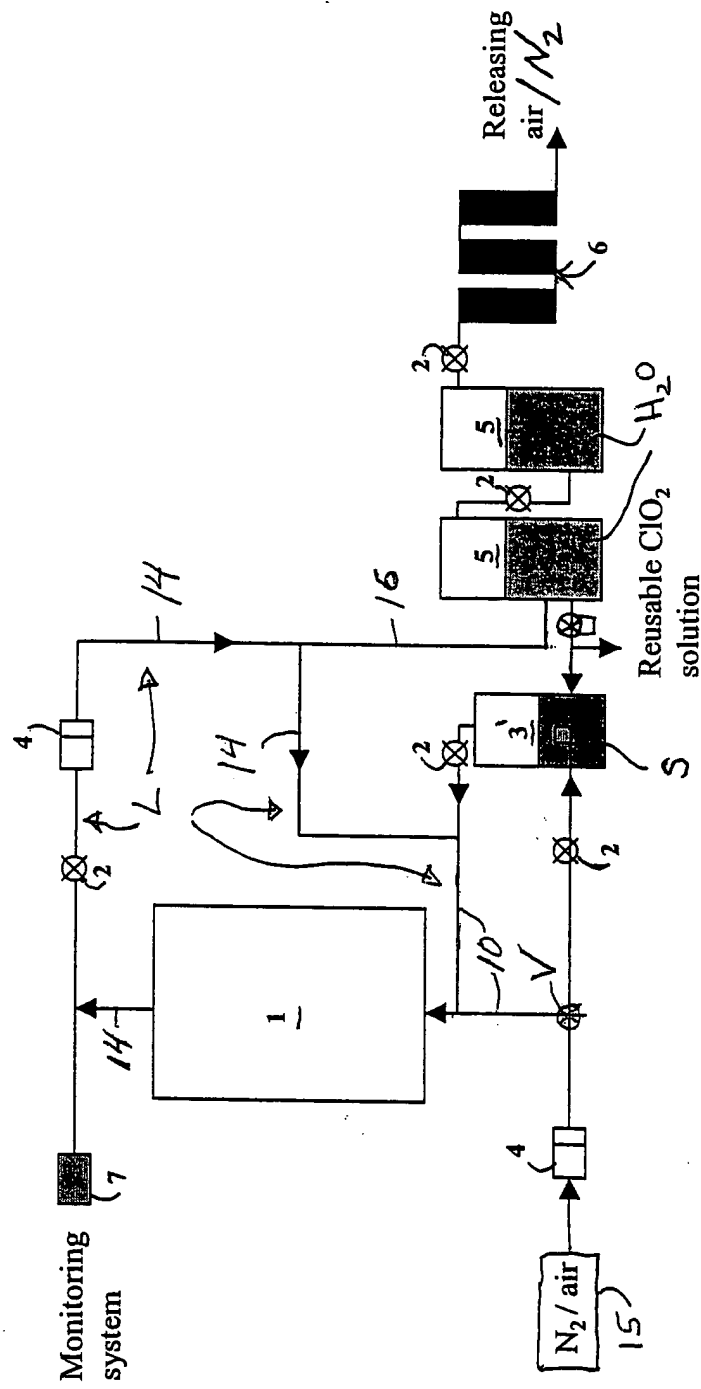


FIG. 2 A block diagram of an overall chlorine dioxide gas treatment system including gas generation from aqueous chlorine dioxide, sterilization, and recycling system

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|---|--|
| 1 – Food Storage or transportation container | 2 – gas on-line fan or pump |
| 3' – Chlorine dioxide gas generation tank | 4 – air filter |
| 5 – Chlorine dioxide gas dissolving tank | 6 – Chlorine dioxide gas neutralizing column |
| 7 – Chlorine dioxide gas concentration, temperature, pressure, and relative humidity monitor system | |
| 8 – Pump for chlorine dioxide solution | |

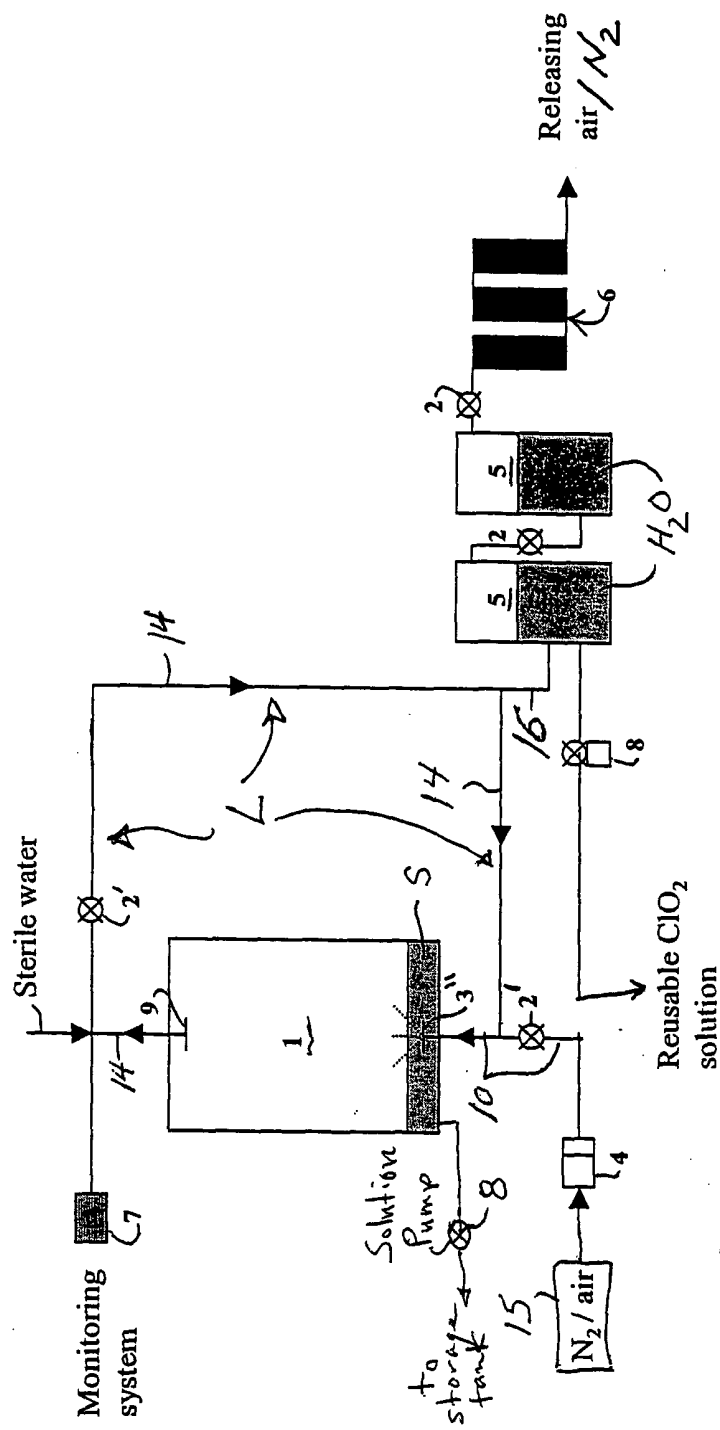


FIG. 3 A block diagram of an overall chlorine dioxide gas treatment system including chlorine dioxide gas generation from aqueous chlorine dioxide, sterilization, and recycling system

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|---|--|
| 1 – Food Storage or transportation container | 2' – low pressure gas pump |
| 3'' – Dispenser for chlorine dioxide gas generation | 4 – air filter |
| 5 – Chlorine dioxide gas dissolving tank | 6 – Chlorine dioxide gas neutralizing column |
| 7 – Chlorine dioxide gas concentration, temperature, pressure, and relative humidity monitor system | |
| 8 – Pump for chlorine dioxide solution, | |
| 9 – Sterile water or chlorine dioxide solution spray head | |